

## AGWA 1.5 updates

Posted by isburns - 2008/09/21 22:44

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This message will be updated with each update of AGWA 1.5 and it will provide information on the content of the update. I recommend subscribing to the message so that you will be notified automatically when updates occur.

Shea

AGWA 1.5 build 20090109

-Bug fix for releasing ponds in SWAT (see this post for the error).

AGWA 1.5 build 20081008

-Bug fix for importing KINEROS results.

AGWA 1.5 build 20081001

-Edits to comply with new unified Datafiles directory structure.

AGWA 1.5 build 20080921

- Added error trapping requiring AGWA environment variable to be set;
- Cleaned up workflow through the delineation dialog;
- Fixed bug when look-up tables were chosen without a CROP field for SWAT;
- Fixed various bugs in the SSURGO tool involving importing and merging of spatial and tabular datasets;
- Fixed bug in the random vegetation type dialog of the LCMT that prevented look-up tables from being selected;
- Fixed routing problem with SWAT associated with internal gages;
- Fixed conversion from Runoff ( $m^3$ ) to Runoff (mm) for KINEROS results;
- Fixed rock calculation bug that occurred when no rock was present in the soils.

AGWA 1.5 build 20060424

- Support for spatially distributed precipitation files for KINEROS
- Support for nitrogen and phosphorus modeling in SWAT
- Support for Hydrologic Response Unit simulation with SWAT
- Support for GAP landcover datasets
- Support for riparian buffer modeling with KINEROS
- Support for landcover modification using a burn severity map
- Support for watershed groups (multiple watershed delineation, discretization, parameterization, and simulation)
- Support for KINEROS batch processing
- Support for nested watersheds
- Support for non-releasing ponds for SWAT and KINEROS
- Improved handling of SSURGO datasets, including dataset merging, tabular data importation, and spatial dataset corrections
- Improved handling of AGWA datasets, including import/export capabilities
- Improved handling of contributing source area discretization for higher order planes
- Improved weather generator file selection for SWAT
- Addition of several results viewing options for SWAT and KINEROS
- Addition of outlet identification option using XY coordinates
- Addition of customizable stream grid resolution for watershed outlet placement

- Support for managing SWAT DAT files
- Improved handling of internal breakpoints, including internal gages, KINEROS ponds, and SWAT reservoirs
- Improved KINEROS lateral plane splitting
- Improved flow length calculations for KINEROS
- Additional error checking for watershed discretization
- Improved handling of SWAT precipitation file generation
- Improved handling of SWAT subwatershed delineation and discretization option
- Improved handling of SWAT simulation rerun option to retain original output files

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